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TOX-6076

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C 20460

006076

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

AUG 22 1986

MEMORANDUM

SUBJECT: EPA Registration Number 11603-3
Diuron Technical

FROM: Mary L. Waller
Technical Support Section
Fungicide-Herbicide Branch
Registration Division (TS-767C)

MW E 8/29/86

TO: Robert J. Taylor, PM 25
Fungicide-Herbicide Branch
Registration Division (TS-767C)

APPLICANT: Makhteshim-Agan (America), Inc.
c/o Solchem Division of Koa
2 Park Avenue
New York, NY 10016

ACTIVE INGREDIENT:
Diuron: 3-(3,4-dichlorophenyl)-1,1-dimethylurea 98%
INERT INGREDIENTS: 2%

BACKGROUND:

The registrant has submitted an acute inhalation toxicity study as requested in the April 22, 1986 TSS review of the acute oral, acute dermal, primary eye, primary skin, and dermal sensitization studies. The studies were conducted by Cosmopolitan Safety Evaluation, Inc. The data Accession Number is 260022. The method of support was not indicated.

RECOMMENDATION:

FHB/TSS finds the study acceptable to support registration of the product. The signal word is not affected and remains as "CAUTION."

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LABELING:

1. Add the following sentence to the "STATEMENTS OF PRACTICAL TREATMENT":

   IF Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

2. Add the following sentence to the precautionary statements:

   Remove contaminated clothing and wash before reuse.

REVIEW:

(1) Acute Inhalation Toxicity Study: Cosmopolitan Safety Evaluation, Inc.; Study # 1328C; October 21, 1985.

PROCEDURE:

Five male and five female Sprague-Dawley rats were exposed in a plexiglass inhalation chamber (47.4 L-volume) for 4 hours to an atmosphere containing a mean gravimetric concentration of 1.00 mg/L of test material. A control group of five males and five females were exposed to air under similar conditions for 4 hours. Animals were observed hourly for toxic symptoms and mortality during exposure, at 1, 3, and 5 hours following exposure and once daily thereafter for 14 days. Body weights were recorded on day of dosing and on days 2, 3, 4, 7, and 14. All animals were necropsied at study conclusion.

RESULTS:

No deaths occurred. The LC_{50} was reported to be > 1.0 mg/L. Toxic symptoms observed were decreased activity and chromorhinorrhea on day of exposure. Animals appeared normal from day 2 on. No abnormalities were noted at gross necropsy.

STUDY CLASSIFICATION: Core Guideline Data.

TOXICITY CATEGORY: Category III - CAUTION.

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DIURON SCIENTIFIC REVIEWS

Page 3 is not included in this copy.

Pages _____ through _____ are not included in this copy.

The material not included contains the following type of information:

___ Identity of product inert ingredients

___ Identity of product impurities

___ Description of the product manufacturing process

___ Description of product quality control procedures

___ Identity of the source of product ingredients

___ Sales or other commercial/financial information

✓ A draft product label

___ The product confidential statement of formula

___ Information about a pending registration action

___ FIFRA registration data

___ The document is a duplicate of page(s) _____

___ The document is not responsive to the request

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.